

The Client: TFO Tech, Ltd., a Jeffersonsville, Ohio automotive parts manufacturer that supplies automotive companies with forged crankshafts and other forged steel car parts.

The Problem: Need to get a new 5,000-ton Kurimoto forging **press pit** installed and online as soon as possible. A competing design looks ok, but the timeline and overall build-cost could use adjustment.

The Solution: Call Delta Industrial, Our Design-Build team and Engineers bring more than three decades of experience to the table. Our goal is to get every job done right – On Time and In Budget.

The Whole Story: Re-Design Pit Foundation for 5,000-ton **Press Pit** Installation and Over Deliver on Value and Build-Time.

The first thing we needed to do when TFO called us in was get their original designs to Delta's industrial Design-Build team. Our engineers evaluated the blueprints from top to bottom and we found areas that could be streamlined without compromising our standards. For example, there were unneeded accessory pits, which we could eliminate right off. In the end we altered the original design for the foundation to fully support the 5,000-ton forge **press pit** with the correct amount of accessory pits for scrap metal conveyors and all mechanical and electrical lines.

An Earth-Shaking Wrinkle - Being in the Midwest we're usually not too concerned about the grounds shifting below our feet. But Ohio, Kentucky and Illinois have their fair share of smaller earthquakes that could bring a job of this size tumbling down. Because of this, we had to build extra supports when we brought the cranes in for the 24-foot **press pit** excavation. With a recent 4.0 quake in eastern Kentucky sending tremors as far as Cincinnati and Atlanta, the precaution was warranted.

Half the Cost and Half the Time – With the new designs we were able to build the entire foundation and all pits to our highest standards and with our streamlined designs we cut the time and cost in half. This meant we saved the customer in overall build-cost *and* lost production due to a shorter build time. We beat their already compressed time line and got the job done fast, with the forge fully installed on the new **press pit** – and NO adjustments needed. Over delivering on jobs like this can save our customers hundreds of thousands or even millions in lost production. We love that. Another Delta job Over Delivered – Twice as Fast and In Budget. **Everybody wins.**